ABSTRACT

A method for providing a QoS-guaranteeing multi-path and
a method for providing disjoint paths using the same are
5 provided. The method configures the shortest path tree by
adapting the start node "s" and the destination node "d". When
a new node is selected as a tree node in a tree configuration
process according to the "s" or the "d", the closest node to
either the "s" or the "d" is selected. If a specified node
10 "v" is contained in both a tree oriented from the "s" and
another tree oriented from the "d", one path of "s"-"v"-"d" is
created. If all nodes are contained in either the tree of "s"
or the other tree of "d", then a program of path creation
process is terminated. Further, the method further includes a
15 step for determining two disjoint paths from the "s" to the "d"
among the found multiple paths above.